

AD 2. AERODROMES**VABM 2.1 AERODROME LOCATION INDICATOR AND NAME****VABM-BELGAUM / DOMESTIC****VABM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1.	ARP coordinates and site at AD	155130.9N 0743703.6E 087°/805M from RWY08 extremity.
2.	Direction and distance from (city)	090°/10KM from Belgaum city
3.	Elevation/Reference temperature	758.4M(2488FT)/36°C
4.	MAG VAR/Annual change	1.75°W(1995)/0.02 Increasing
5.	AD Administration, AD Address, telephone, Telefax, telex, AFS	Airports Authority of India, Civil Aerodrome Sambra Belgaum-591124.
		Tele 0831-2562991
		Fax 0831-2562986
		Telex Nil
6.	Types of traffic permitted (IFR/VFR)	VFR/IFR
7.	Remarks	Nil

VABM AD 2.3 OPERATIONAL HOURS

1.	AD Administration	MON-FRI : 0400-1200 (0930-1730IST) SAT,SUN+ HOL : Nil
2.	Custom and immigration	Nil
3.	Health and sanitation	Nil
4.	AIS Briefing office	Nil
5.	ATS Reporting Office(ARO)	As ATS
6.	MET Briefing office	Avbl. Class III
7.	ATS	Consult NOTAM for current ATS HR.
8.	Fuelling	AS ATS
9.	Handling	In coordination with Deccan Air
10.	Security	As ATS
11.	De-icing	Nil
12.	Remarks	Outside of ATS hours services are available O/R with 24HR PN to AD.

VABM AD 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	In Coordination with Deccan Air
2.	Fuel/oil types	ATF Grade K-50 Jet A1
3.	Fuelling facilities/capacity	1 Bowser 9000 liters & pump with hose cart 10000Lts.
4.	De-icing facilities	Nil
5.	Hanger space for visiting aircraft	Nil
6.	Repair facilities for visiting aircraft	Nil
7.	Remarks	Nil

VABM AD 2.5 PASSENGER FACILITIES

1.	Hotels	In the city.
2.	Restaurants	In the city.
3.	Transportation	Taxis in the City

4.	Medical Facilities	First aid at AD. Hospital in the city.
5.	Bank and post office	In the city.
6.	Tourist office	Nil
7.	Remarks	Nil

VABM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	AD category for fire fighting	Within ATS HR:CAT 4
2.	Rescue equipment	Available as per category
3.	Capability for removal of disabled aircraft	Nil
4.	Remarks	Nil

VABM AD 2.7 SEASONAL AVAILABILITY – CLEARING

Nil

VABM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	Apron surface and strength	Surface	Tarmacadam
		Strength	10F/D/Y/T
2.	Taxiway width, surface and strength	Width	15M
		Surface	Tarmacadam
3.	ACL and elevation	Strength	10F/D/Y/T
		Location	Nose wheel point No. 2
4.	VOR/INS checkpoints	Elevation	753.3M / 2471FT
		VOR	On TWY R-315 / 0.3NM
5.	Remarks	INS	Nil
		Remarks	Nil

VABM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	Use of aircraft stand ID signs, TWY guidelines and visual docking / parking guidance system of aircraft stands	Guidelines at Apron.		
2.	RWY and TWY markings and LGT	RWY	Marked	Designation, THR, Centreline, Edge
			Lighted	THR, Edge, Turning pad lights for Rwy26.
		TWY	Marked	Centreline & Holding Positions.
			Lighted	Edge
3.	Stop bars	Nil		
4.	Remarks	Nil		

VABM AD 2.10 AERODROME OBSTACLES

In approach /TKOF areas			In circling area and at AD		Remarks
1.			2.		3.
RWY/Area affected	Obstacle type Elevation Marking/LGT	Coordinates	Obstacle type Elevation Marking/LGT	Coordinates	
a	b	c	a	b	
1.APCH-08	SEC HUT	155125.4N	TREE	155142.4N	
TKOF-26	757.7M/2486FT	0743635.3E	753.9M/2473FT	0743732.6E	

2	MOBILE TRACK 757.7M/2486FT	155128.2N 0743633.6E	TREE 764.1M/2507FT	155132.7N 0743734.4E
3	GP OF TREES 766.9M/2516FT	155131.2N 0743628.0E	SEC HUT 758.8M/2490FT	155134.3N 0743651.2E
4	GP OF TREES 763.2M/2504FT	155125.1N 0743629.0E	SEC HUT 762.2M/2501FT	155130.2N 0743702.8E
5	GP OF TREES 762.3M/2501FT	155127.4N 0743624.2E	TREE ON HILL TOP 879.9M/2887FT	155108.9N 0743927.0E
6.APCH-26 TKOF-08	GP. OF TREE 754.5M/2475FT	155138.8N 0743744.6E		
7	TREE 762.0M/2500FT	155147.7N 0743755.1E		
8.	GP OF TREE 772.3M/2534FT	155142.9N 0743818.5E		
9	MW TWR 917.6M/3010FT	155245.4N 0744228.2E		
10	HILL TOP 904.6M/2968FT	155159.2N 0744146.6E		

VABM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET office	Belgaum
2.	Hours of service Met office outside hours	H24 ---
3.	Office responsible for TAF preparation Periods of validity	Bangalore 9 HR (00-09,03-12,06-15,09-18 & 21-06).
4.	Types of landing forecast Interval of issuance	Nil
5.	Briefing / consultation provided	Avbl.
6.	Flight documentation Language(s) use	Tabular form English
7.	Charts and other information available For briefing or consultation	Nil
8.	Supplementary equipment available for Providing information	Nil
9.	ATS units provided with information	Belgaum ATC and ACS
10.	AD Additional information (limitation of service, etc.)	Nil

VABM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
08	079° 35'GEO 081°30'MAG	1459X45M	10F/D/Y/T Tarmac	155130.7N 0743646.8E	THR 755.4M/2478FT TDZ 757.8M/2486FT
26	259°35'GEO 261°30'MAG	1459X45M	10F/D/Y/T Tarmac	155139.1N 0743737E	THR 747M/2451FT TDZ 750.8M/2463FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
+0.18%	----	213X152	1579X150	---	---
-1.2%	----	304X152	1579X150	---	---

VABM AD 2.13 DECLARED DISTANCES

RWY Designation	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
08	1459	1672	1459	1459	Nil
26	1459	1763	1459	1459	Nil

VABM AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT Type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	RWY Centre Line LGT TDZ, LGT LEN	RWY edge LGT LEN,spacing Length,spacing colour,INTST	RWY End LGT colour INTST	SWY LGT colour WBAR	LEN(M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
08	---	---	APAPI Left	---	---	---	---	---	---
26	---	---	APAPI Left	---	---	---	---	---	---

VABM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN/IBN location, characteristics and Hours of operation	ABN	On Tower Building, FLG W&G EV 2SEC. As ATS HR.
		IBN	Nil
2.	LDI location and LGT Anemometer location and LGT	LDI	---
		Anemometer	Avbl.
3.	TWY edge and centre line lighting	Edge	Avbl.
		Centre line	Nil
4.	Secondary power supply/switch-over Time	Secondary power supply to all lighting at AD. Switch-over time :15 Sec.	
5.	Remarks	Nil	

VABM AD 2.16 HELICOPTER LANDING AREA

Not Established

VABM AD 2.17 ATS AIRSPACE

1.	Designation and lateral limits	BELGAUM CTR : Bounded by 154134.2 0741437.2 to 154839.2N 0740337.2 then along arc of 55.5KM (30NM) radius centred at 155122.2N 0743701.0E DVOR (BBM) to 155107.2N 0743433E to 152159.3N 0742717.1E to 154134.2N 0741437.2E
2.	Vertical limits	SFC to FL100
3.	Airspace classification	D
4.	ATS unit call sign Language(s)	Belgaum Tower English
5.	Transition altitude	6000 FT AMSL
6.	Remarks	Nil

VABM AD 2.18 ATS COMMUNICATION FACILITIES

Service Designator	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Belgaum Tower	118.05MHz	As ATS	APP, TWR & SMC Combined

VABM AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid CAT of ILS/MLS(For VOR/ILS/ MLS,give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME trans- mitting antenna	Remarks
1	2	3	4	5	6	7
DVOR	BBM	112.1MHz	H24	155122.2N 0743701.0E	---	Nil
DME	BBM	1082/ 1019MHz	H24	---	---	Colocated with DVOR BBM

VABM AD 2.20 LOCAL TRAFFIC REGULATIONS

VABM AD 2.21 NOISE ABATEMENT PROCEDURES

VABM AD 2.22 FLIGHT PROCEDURES

VABM AD 2.23 ADDITIONAL INFORMATION

APAPI at a distance of 214.67M from the THR to the left of Rwy 08. APAPI light adjacent to Rwy 08 edge is placed at an angle of 2 Deg 45 min. Exterior light placed at angle of 3 Deg 15 Min. APAPI for Rwy 26 available at a distance of 195.97M from the THR to the left of Rwy 26. APAPI light adjacent to Rwy edge placed at an angle of 2 Deg 45 Min, exterior light placed at angle of 3 Deg 15 min.

VABM AD 2.24 CHARTS RELATED TO AN AERODROME

1. VOR RWY 26
2. VOR RWY 08

AD 2. AERODROMES**VABM 2.1 AERODROME LOCATION INDICATOR AND NAME****VABM-BELGAUM / DOMESTIC****VABM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1.	ARP coordinates and site at AD	155130.9N 0743703.6E 087°/805M from RWY08 extremity.
2.	Direction and distance from (city)	090°/10KM from Belgaum city
3.	Elevation/Reference temperature	758.4M(2488FT)/36°C
4.	MAG VAR/Annual change	1.75°W(1995)/0.02 Increasing
5.	AD Administration, AD Address, telephone, Telefax, telex, AFS	Airports Authority of India, Civil Aerodrome Sambra Belgaum-591124.
		Tele 0831-2562991
		Fax 0831-2562986
		Telex Nil
6.	Types of traffic permitted (IFR/VFR)	VFR/IFR
7.	Remarks	Nil

VABM AD 2.3 OPERATIONAL HOURS

1.	AD Administration	MON-FRI : 0400-1200 (0930-1730IST) SAT,SUN+ HOL : Nil
2.	Custom and immigration	Nil
3.	Health and sanitation	Nil
4.	AIS Briefing office	Nil
5.	ATS Reporting Office(ARO)	As ATS
6.	MET Briefing office	Avbl. Class III
7.	ATS	Consult NOTAM for current ATS HR.
8.	Fuelling	AS ATS
9.	Handling	In coordination with Deccan Air
10.	Security	As ATS
11.	De-icing	Nil
12.	Remarks	Outside of ATS hours services are available O/R with 24HR PN to AD.

VABM AD 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	In Coordination with Deccan Air
2.	Fuel/oil types	ATF Grade K-50 Jet A1
3.	Fuelling facilities/capacity	1 Bowser 9000 liters & pump with hose cart 10000Lts.
4.	De-icing facilities	Nil
5.	Hanger space for visiting aircraft	Nil
6.	Repair facilities for visiting aircraft	Nil
7.	Remarks	Nil

VABM AD 2.5 PASSENGER FACILITIES

1.	Hotels	In the city.
2.	Restaurants	In the city.
3.	Transportation	Taxis in the City

4.	Medical Facilities	First aid at AD. Hospital in the city.
5.	Bank and post office	In the city.
6.	Tourist office	Nil
7.	Remarks	Nil

VABM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	AD category for fire fighting	Within ATS HR:CAT 4
2.	Rescue equipment	Available as per category
3.	Capability for removal of disabled aircraft	Nil
4.	Remarks	Nil

VABM AD 2.7 SEASONAL AVAILABILITY – CLEARING

Nil

VABM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	Apron surface and strength	Surface	Tarmacadam
		Strength	10F/D/Y/T
2.	Taxiway width, surface and strength	Width	15M
		Surface	Tarmacadam
3.	ACL and elevation	Strength	10F/D/Y/T
		Location	Nose wheel point No. 2
4.	VOR/INS checkpoints	Elevation	753.3M / 2471FT
		VOR	On TWY R-315 / 0.3NM
5.	Remarks	INS	Nil
		Remarks	Nil

VABM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	Use of aircraft stand ID signs, TWY guidelines and visual docking / parking guidance system of aircraft stands	Guidelines at Apron.		
2.	RWY and TWY markings and LGT	RWY	Marked	Designation, THR, Centreline, Edge
			Lighted	THR, Edge, Turning pad lights for Rwy26.
		TWY	Marked	Centreline & Holding Positions.
			Lighted	Edge
3.	Stop bars	Nil		
4.	Remarks	Nil		

VABM AD 2.10 AERODROME OBSTACLES

In approach /TKOF areas			In circling area and at AD		Remarks
1.			2.		3.
RWY/Area affected	Obstacle type Elevation Marking/LGT	Coordinates	Obstacle type Elevation Marking/LGT	Coordinates	
a	b	c	a	b	
1.APCH-08	SEC HUT	155125.4N	TREE	155142.4N	
TKOF-26	757.7M/2486FT	0743635.3E	753.9M/2473FT	0743732.6E	

2	MOBILE TRACK 757.7M/2486FT	155128.2N 0743633.6E	TREE 764.1M/2507FT	155132.7N 0743734.4E
3	GP OF TREES 766.9M/2516FT	155131.2N 0743628.0E	SEC HUT 758.8M/2490FT	155134.3N 0743651.2E
4	GP OF TREES 763.2M/2504FT	155125.1N 0743629.0E	SEC HUT 762.2M/2501FT	155130.2N 0743702.8E
5	GP OF TREES 762.3M/2501FT	155127.4N 0743624.2E	TREE ON HILL TOP 879.9M/2887FT	155108.9N 0743927.0E
6.APCH-26 TKOF-08	GP. OF TREE 754.5M/2475FT	155138.8N 0743744.6E		
7	TREE 762.0M/2500FT	155147.7N 0743755.1E		
8.	GP OF TREE 772.3M/2534FT	155142.9N 0743818.5E		
9	MW TWR 917.6M/3010FT	155245.4N 0744228.2E		
10	HILL TOP 904.6M/2968FT	155159.2N 0744146.6E		

VABM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET office	Belgaum
2.	Hours of service Met office outside hours	H24 ---
3.	Office responsible for TAF preparation Periods of validity	Bangalore 9 HR (00-09,03-12,06-15,09-18 & 21-06).
4.	Types of landing forecast Interval of issuance	Nil
5.	Briefing / consultation provided	Avbl.
6.	Flight documentation Language(s) use	Tabular form English
7.	Charts and other information available For briefing or consultation	Nil
8.	Supplementary equipment available for Providing information	Nil
9.	ATS units provided with information	Belgaum ATC and ACS
10.	AD Additional information (limitation of service, etc.)	Nil

VABM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
08	079° 35'GEO 081°30'MAG	1459X45M	10F/D/Y/T Tarmac	155130.7N 0743646.8E	THR 755.4M/2478FT TDZ 757.8M/2486FT
26	259°35'GEO 261°30'MAG	1459X45M	10F/D/Y/T Tarmac	155139.1N 0743737E	THR 747M/2451FT TDZ 750.8M/2463FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
+0.18%	----	213X152	1579X150	---	---
-1.2%	----	304X152	1579X150	---	---

VABM AD 2.13 DECLARED DISTANCES

RWY Designation	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
08	1459	1672	1459	1459	Nil
26	1459	1763	1459	1459	Nil

VABM AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT Type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	RWY Centre Line LGT TDZ, LGT LEN	RWY edge LGT LEN,spacing Length,spacing colour,INTST	RWY End LGT colour INTST	SWY LGT colour WBAR	LEN(M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
08	---	---	APAPI Left	---	---	---	---	---	---
26	---	---	APAPI Left	---	---	---	---	---	---

VABM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN/IBN location, characteristics and Hours of operation	ABN	On Tower Building, FLG W&G EV 2SEC. As ATS HR.
		IBN	Nil
2.	LDI location and LGT Anemometer location and LGT	LDI	---
		Anemometer	Avbl.
3.	TWY edge and centre line lighting	Edge	Avbl.
		Centre line	Nil
4.	Secondary power supply/switch-over Time	Secondary power supply to all lighting at AD. Switch-over time :15 Sec.	
5.	Remarks	Nil	

VABM AD 2.16 HELICOPTER LANDING AREA

Not Established

VABM AD 2.17 ATS AIRSPACE

1.	Designation and lateral limits	BELGAUM CTR : Bounded by 154134.2 0741437.2 to 154839.2N 0740337.2 then along arc of 55.5KM (30NM) radius centred at 155122.2N 0743701.0E DVOR (BBM) to 155107.2N 0743433E to 152159.3N 0742717.1E to 154134.2N 0741437.2E
2.	Vertical limits	SFC to FL100
3.	Airspace classification	D
4.	ATS unit call sign Language(s)	Belgaum Tower English
5.	Transition altitude	6000 FT AMSL
6.	Remarks	Nil

VABM AD 2.18 ATS COMMUNICATION FACILITIES

Service Designator	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Belgaum Tower	118.05MHz	As ATS	APP, TWR & SMC Combined

VABM AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid CAT of ILS/MLS(For VOR/ILS/ MLS,give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME trans- mitting antenna	Remarks
1	2	3	4	5	6	7
DVOR	BBM	112.1MHz	H24	155122.2N 0743701.0E	---	Nil
DME	BBM	1082/ 1019MHz	H24	---	---	Colocated with DVOR BBM

VABM AD 2.20 LOCAL TRAFFIC REGULATIONS

VABM AD 2.21 NOISE ABATEMENT PROCEDURES

VABM AD 2.22 FLIGHT PROCEDURES

VABM AD 2.23 ADDITIONAL INFORMATION

APAPI at a distance of 214.67M from the THR to the left of Rwy 08. APAPI light adjacent to Rwy 08 edge is placed at an angle of 2 Deg 45 min. Exterior light placed at angle of 3 Deg 15 Min. APAPI for Rwy 26 available at a distance of 195.97M from the THR to the left of Rwy 26. APAPI light adjacent to Rwy edge placed at an angle of 2 Deg 45 Min, exterior light placed at angle of 3 Deg 15 min.

VABM AD 2.24 CHARTS RELATED TO AN AERODROME

1. VOR RWY 26
2. VOR RWY 08